

TBK**TIEDTKE - BÜHLING - KINNE & PARTNER (GbR)**

TBK-Patent, Bavariaring 4-6, 80336 München, Tel.: +49 89 544690, Fax: +49 89 532611 (G3) +49 89 5329095 (G3+G4), postoffice@tbk-patent.de

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TBK-Patent POB 20 19 18 80019 München

Honeywell International Inc.
Attn.: Ms. Amy Olinger - Patent Services
101 Columbia Road, AB-2B

07962 Morristown, NJ

USA

Attn.: Mr. Ephraim Starr
General Manager

CENTRAL RECORDS - MTO

Patentanwälte
Dipl.-Ing. Reinhard Kinne
Dipl.-Ing. Hans-Bernd Pellmann
Dipl.-Ing. Klaus Grams
Dipl.-Ing. Aurel Vollnhals
Dipl.-Ing. Thomas J.A. Leson
Dipl.-Ing. Dr. Georgi Chivarov
Dipl.-Ing. Matthias Grill
Dipl.-Ing. Alexander Kühn
Dipl.-Ing. Rainer Böckelen
Dipl.-Ing. Stefan Klingele
Dipl.-Chem. Stefan Bühling
Dipl.-Ing. Ronald Roth
Dipl.-Ing. Jürgen Faller
Dipl.-Ing. Hans-Ludwig Trösch
Rechtsanwälte
Michael Zöbisch

March 11, 2004

Your ref.: H0005086 Our ref.: WO 37442
PCT-Application No.: PCT/IB03/01787
Applicant: HONEYWELL INTERNATIONAL INC.

Dear Mr. Starr,

Enclosed please find:

- a copy of the International Search Report provided by the European Patent Office, and
- copies of the documents cited in this International Search Report.

In order to save costs we have currently refrained from studying the cited references in detail.

Kindly let us draw your attention to the fact that the claims may be amended within two months from the date of submittal of the International Search Report or sixteen months from the date of priority, whichever time limit expires later. This means that in the present case amendments may be filed up to September 8, 2004 (final deadline; non-extendible). If amendments are desired, we need your instructions by

August 27, 2004.

Furthermore, please note that, if not already effected, a request for International Preliminary Examination has to be filed on or before December 8, 2004 (final deadline; non-extendible).

We enclose our invoice for services rendered.

Very truly yours,

Thomas J.A. Leson
Patentanwalt
TBK-Patent

Dresdner Bank, München Kto. 3939 844
Deutsche Bank, München Kto. 2861 060
Postbank, München Kto. 6704 3804
Mizuho Corp. Bank, Düsseldorf Kto. 810 423 3007
UFJ Bank Limited, Düsseldorf Kto. 500 047
Steuernr.: 9 148/641/28007 Ust-ID/VAT: DE 1307 480 35

BLZ 700 800 00
BLZ 700 700 24
BLZ 700 100 80
BLZ 300 207 00
BLZ 301 307 00

IBAN-Nr.: DE47 7008 0000 0393 9844 00
IBAN-Nr.: DE14 7007 0024 0286 1060 00
IBAN-Nr.: DE04 7001 0080 0067 0438 04
IBAN-Nr.: DE75 3002 0700 8104 2330 07
IBAN-Nr.: DE09 3013 0700 0000 5000 47

BIC: DRES DE FF 700
BIC: DEUT DE DB MUC
BIC: PBNK DE FF
BIC: MHC8 DE DD
BIC: SANW DE DX

PCT Search Report EN doc 1234567 DS300

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference WO 37442	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 03/01787	International filing date (day/month/year) 08/05/2003	(Earliest) Priority Date (day/month/year)
Applicant HONEYWELL INTERNATIONAL INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/01787

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F02B37/22 F02B37/013

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 073 447 A (KAWAGUCHI JUN ET AL) 13 June 2000 (2000-06-13)	1-8
Y	column 2, line 39 - column 4, line 58; figures 2,3	9-15
Y	EP 0 840 000 A (ISUZU MOTORS LTD) 6 May 1998 (1998-05-06) abstract; figures	9-15
A	PATENT ABSTRACTS OF JAPAN vol. 0100, no. 66 (M-461), 15 March 1986 (1986-03-15) & JP 60 212623 A (HITACHI SEISAKUSHO KK), 24 October 1985 (1985-10-24) abstract	
A	US 6 263 672 B1 (MCKINLEY STEVEN R ET AL) 24 July 2001 (2001-07-24) cited in the application	

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

16 January 2004

Date of mailing of the international search report

23/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Sideris, M

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/01787

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6073447	A	13-06-2000	JP 10008977 A	13-01-1998
			DE 19717559 A1	22-01-1998
			FR 2748060 A1	31-10-1997
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			DE 69704322 D1	26-04-2001
			DE 69704322 T2	05-07-2001
			EP 0840000 A1	06-05-1998
			US 5937834 A	17-08-1999
JP 60212623	A	24-10-1985	NONE	
US 6263672	B1	24-07-2001	US 6089019 A	18-07-2000
			EP 1144827 A1	17-10-2001
			JP 200253532 T	22-10-2002
			WO 0042305 A1	20-07-2000